

Claims

1. A method to prevent the illegal use of service registration information in the service registration information protection system that includes at least a service server for providing users with a certain service and at least a
5 protection device for providing members with a service protection function by inter-working with the service server, the method comprising the steps of:

The service registration step to register in the database by the member the service item information and at least one piece of condition-action information that describes the appropriate actions when the attempt to access the service is made;

10 The event report step that the service server reports an attempt to access or use the service to the protection device in case a user tries to use a certain service with the service registration information; and

The action step that the protection device performs the actions corresponding to the condition-action information to prevent illegal access or use
15 of service, using the condition-action information for the service item registered in the database and the service access attempt information received from the service server.

2. A method to prevent the illegal use of service registration information in the service registration information protection system as recited in
20 Claim 1, wherein the condition includes one or more passwords, the amount, the time, the date, correctness of password and the combination of them.

3. A method to prevent the illegal use of service registration information in the service registration information protection system as recited in Claim 1, wherein the action includes acceptance, rejection, notice, report, decision
25 based on the member's response, and the selective combination of them.

4. A method to prevent the illegal use of service registration information in the service registration information protection system as recited in Claim 3, wherein the decision based on the member's response is performed by: the approval request message for the service is transmitted to the contact point
30 corresponding to the relevant service item registered in the database, and then the protection action corresponding to the response from the contact point is taken.

5 5. A method to prevent the illegal use of service registration information in the service registration information protection system as recited in Claim 4, wherein the response from the contact point includes approval, rejection, notice, report, and combination of them and is registered in the database in advance.

10 6. A method to prevent the illegal use of service registration information in the service registration information protection system as recited in Claim 1, wherein at least one contact point with the priority for each of service items is registered at the service registration step and the protection device attempts to contact each contact point sequentially in the event action step, until the contact to the relevant contact point is successful or all contact attempts fail in due sequence.

15 7. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server, wherein;

20 the service server is configured to inform the protection device of the information used to access the service, when there is an attempt to access a certain service with the service registration information, and

25 the protection device consists of the call processing means to interface the telecommunication network, the database to store service item information and condition-action information including the conditions to decide actions to be taken, the types of actions and the contact means to each member, and the control means to process the protection action corresponding to the condition-action information of the service item against the illegal attempt to access the service, referring into the database based on the information received from the service server. In case it is required to inform the access attempt to the contact point designated by the member, the control means shall transmit the confirmation request message indicating the attempt to access the service through the call
30 processing means, and in case it is required to get the approval from the member,

it shall transmit the approval request message through the call processing means and then process the next protection action in accordance with the response from the member.

8. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as recited in Claim 7, wherein the condition includes one or more passwords, the amount, the time, the date, correctness of password and the combination of them.

9. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as recited in Claim 7, wherein the action includes acceptance, rejection, notice, report, decision based on the member's response, and the selective combination of them.

10. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as recited in Claim 9, wherein the decision based on the member's response is performed by: the approval request message for the service is transmitted to the contact point corresponding to the relevant service item registered in the database, and then the protection action corresponding to the response from the contact point is taken.

11. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as recited in Claim 10, wherein the response from the contact point includes approval, rejection, notice, report, and combination of them and is registered in the database in advance.

12. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as
5 recited in Claim 7, wherein the service registration information is Member's banking information.

13. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service
10 registration information for members by inter-working with the service server as recited in Claim 7, wherein the service registration information is a log-in information for connecting to the computer system through a communication network.

14. A system to prevent the illegal use of service registration
15 information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as recited in Claim 7, wherein the protection device transmits the confirmation request message to Member's telecommunication terminal.

20 15. A system to prevent the illegal use of service registration information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as recited in Claim 7, wherein the protection device transmits the confirmation request
25 message to Member's mobile communication terminal using the Short Message Service (SMS).

16. A system to prevent the illegal use of service registration
30 information comprising at least a service server to provide a certain service for users and a protection device to provide a protection function of service registration information for members by inter-working with the service server as recited in Claim 7, wherein the protection device stores at least one contact point

with the priority for each of service items in the database, and

the control means controls the sequential attempt to contact the contact points through the call processing means based on the priority information stored in the database.